

Louisiana Office of Public Health Laboratories	
Test Name	Rubella IgG EIA
PHL Location	Office of Public Health Laboratory Baton Rouge
CPT Code	86762
Synonyms	Rubella IgG, German Measles
Brief Description of Test	The Rubella IgG EIA is used to aid in the assessment of the patient's immunological response to rubella, and as a qualitative screening test to determine the immune status of individuals, including women of childbearing age.
Possible Results	Negative Equivocal Positive
Reference Range	Positive
Specimen Type	Serum
Specimen Container(s):	Red top tubes, Marble top tubes, polypropylene vials
Minimum volume accepted:	216 µL
Collection Instructions	<p>Specimens should only be collected by personnel that have been properly trained. Care should be taken during specimen collection and handling to avoid generation of aerosols. Blood should be collected in a plastic tube, such as a vacutainer, which does not contain an anticoagulant. The collection tube may or may not contain a serum separator. If collected in a tube without serum separator, serum must be aliquoted into screw cap tubes before shipment to laboratory. Depending on the type of collection tube, the amount of time it will take for the blood to clot could take up to 60 minutes. Separation of serum from cells should take place within 2 hours of collection to prevent erroneous test results according to NCCLS guidelines.</p> <p>Follow the package insert for the collection tube you use.</p> <p>Label specimen with Patient Name and a 2<sup>nd</sup> unique identifier such as a chart number or medical record number. DOB is not considered unique.</p> <p>Complete a Lab Form 96 to accompany the serum sample. Lab submission form must be thoroughly completed with patient's first</p>

	<p>and last name, 2<sup>nd</sup> patient identifier, gender, date of birth, date of collection, time of collection, test requested, and submitter's name, address, and contact number.</p> <p>Two unique identifiers <b>MUST</b> be recorded on the tube <b>AND</b> the Lab 96 form. A missing identifier on the tube will be an automatic rejection. If the identifiers are missing from the Lab 96 form, the submitter must be contacted and a new form with this information must be faxed back to the lab before testing will take place.</p> <p>Transport specimen to laboratory as soon as possible after collection. Keep submission forms insulated from specimens.</p>
Storage and Transport Instructions	<p>Specimens must be shipped refrigerated (2-8°C) and can be stored for up to 48 hours.</p> <p>For longer storage, serum should be poured into a sterile screw cap tube and be frozen at -20°C or colder. Frozen specimens must be shipped on dry ice and received at a temperature of -20°C or colder. If samples are frozen, document the date and time the sample was frozen.</p>
Causes for Rejection	<p>Unspun samples, tubes that contain less than 90% of the total drawing capacity (QNS), incorrect specimen type, expired collection tubes, heat inactivated, hemolyzed, gross contamination, and icteric specimens must be rejected. Improper storage and improper transport temperature requirements are also reasons for rejection.</p>
Limitations of the Procedure	<p>The results obtained with the Rubella IgG EIA test serve only as an aid to diagnosis and should not be interpreted as diagnostic in themselves.</p> <p>A single positive result only indicates previous immunologic exposure; the level of antibody response or class of antibody response may not be used to determine active infection or disease stage.</p> <p>Paired specimens should be collected during the acute and convalescent stages of infection, and tested concurrently to detect significant antibody increases. The acute phase sample should be collected early in the infection, preferably within 7 days of the onset of symptoms, and the convalescent phase sample 1-2 weeks after the first sample, but not earlier than 10 days after the onset of symptoms.</p>
Interfering Substances	<p>Grossly hemolyzed, icteric specimens, or gross contamination</p>
References	<p>BioRad Rubella IgG EIA package Insert EVOLIS™ Operator Manual</p>
Additional Information	<p>None</p>

Release Date	03/15/2016
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